

## ENERGY STAR® SSL Program Update

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U.S. Department of Energy
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Transformations in Lighting

## Agenda



- ENERGY STAR 101
- Status of Qualified Products
- Criteria Changes
- Partner Outreach

#### What is ENERGY STAR?



- The national symbol for energy efficiency
- Awarded to products that meet strict energy-efficiency guidelines set by U.S. Department of Energy (DOE) and the U.S. Environmental Protection Agency (EPA)





- Serves as a marketing platform for retailers, manufacturers, and utilities to promote energy efficient products
- Participation in the program is voluntary

## What is the Value of ENERGY STAR?

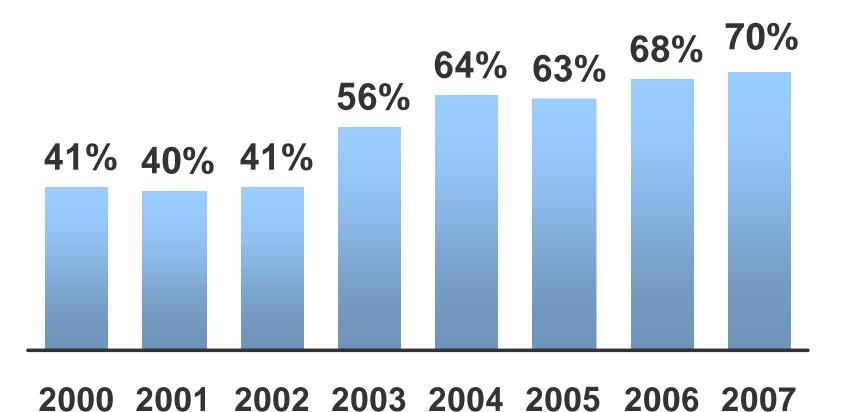


- Helps consumers identify energy efficient products
  - Common language
  - Single set of performance criteria
- Eases sales process
  - Promote cost-effectively energy efficient products to consumers
  - Provide credible, objective information about energy efficient options
- Elevates your brand awareness in U.S.
  - Signal corporate commitment to social good
  - Attracts consumers

# Consumers Recognize the ENERGY STAR Logo



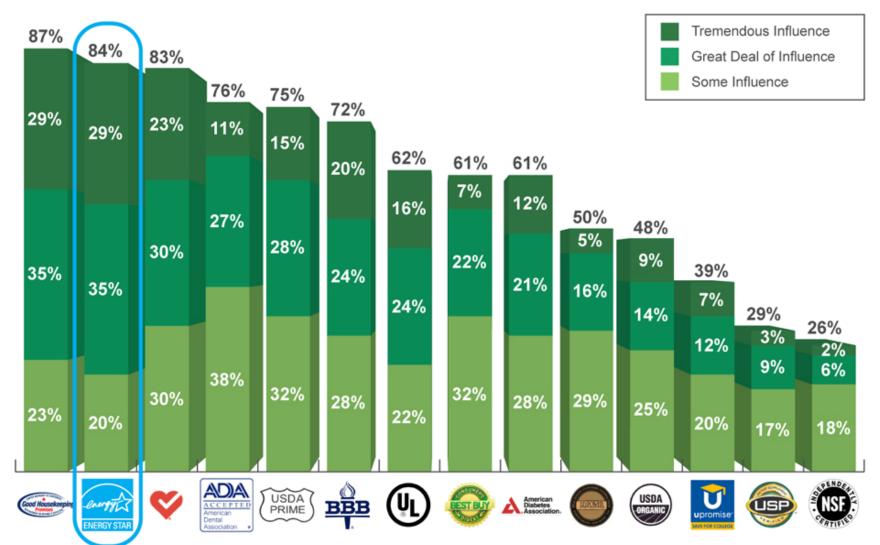
#### Aided Recognition of ENERGY STAR Label



Source: Consortium for Energy Efficiency Household Surveys (2001-2007). Standard errors vary between 1.5% and 2.2%.

# ENERGY STAR Influences Purchasing Decisions





## Who's Involved with ENERGY STAR?



#### Network of allied organizations:

- Federal Government (DOE and EPA)
- Manufacturers
- Retailers
- Energy Efficiency Program Sponsors (EEPS)
  - Utilities, States, and Energy Offices
  - Over 500 Utilities serve more than 62 million households

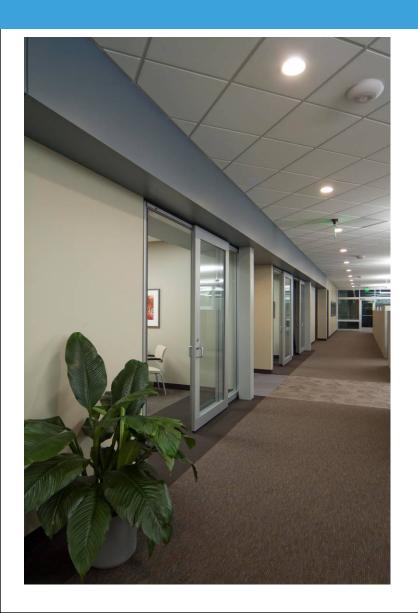
# Why ENERGY STAR for Solid-State Lighting?



- Reflects DOE's involvement in commercialization of SSL over many years
- Establishes performance requirements early to avoid repeating experience with CFLs first introduction.
- Ensure the availability of products that meet or exceed customer expectations
- Satisfy customers to encourage their loyalty

## **Qualified Products**









#### First Qualified Product





Kichler's Design Pro Under-cabinet kitchen system

- Designed to work as a system
- Luminaire efficacy of 37 lm/watt
- Delivers over 400 lumens with a CCT of 3000K

#### **Newest Products**



- Cooper Halo Downlight
- Kichler Rail Light
- More are in the queue



Kichler Rail Light – First product qualified under version 1.1

## Why aren't there more?



- Many manufacturers are still in testing
- Some confusion over what's required for testing
- The delay in LM-80 being finalized
- The On-line Product Submittal Tool experienced some early hiccups
- The Economy

## Criteria Changes



- Version 1.1 went into effect Super Bowl Sunday (2/1/09)
- First draft of a criteria for replacement lamp distributed on Jan. 16
  - Public comment period until Feb. 27
  - A second draft will be issued once DOE analyzes the comments
- Review of additional applications is on-going

### **New Applications**



#### Residential

- Surface and pendantmounted downlights
- Ceiling-mounted with diffusers
- Cove lighting
- Surface-mounted with directional heads
- Outdoor pole/armmounted decorative

#### Non-Residential

- Surface and pendant-mounted downlights
- Wall wash
- Bollards

#### Partner Outreach Activities



- Announce progress and share information via enewsletter
  - Subscribe by sending an e-mail to <u>ssl@drintl.com</u>
- Engage Stakeholders at industry events
  - International Builder Show
  - ArchLED 2008
  - LightFair
- Solicit Feedback:
  - Proposed criteria for replacement lamps

### Consumer Outreach Activities



- Simple and Clear Messaging
- Web Content www.energystar.gov/led
- Tools and Resources

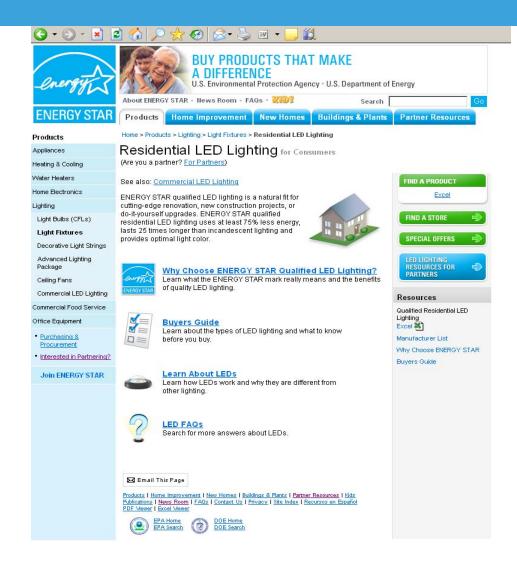
## Simple and Clear Messaging



- Reduce energy costs
- Lasts a long time
- Lowers maintenance costs
- Reduces cooling costs
- Comes with three-year warranty

#### Web Content



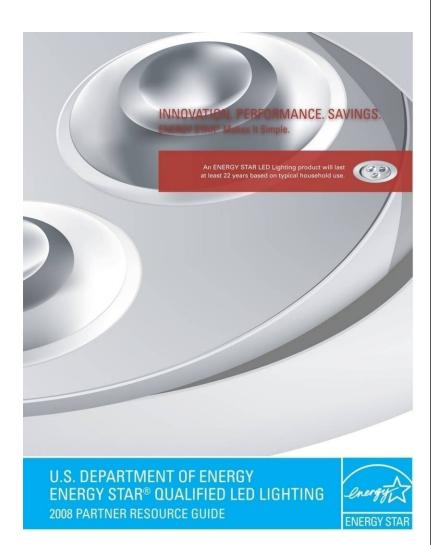


- Product List
- Product Finder
- Rebate Finder
- FAQs
- Consumer Education Tools
- Savings Calculator (under development)

#### Partner Resource Guide

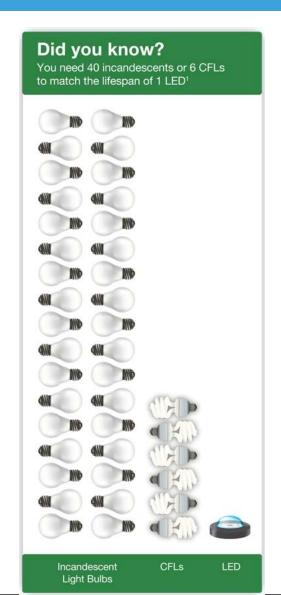


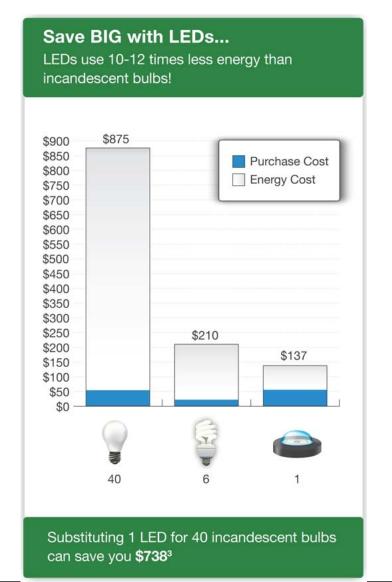
- Provides talking points for use by manufacturers, retailers, or utilities
- Contains graphs and tables that can be customized to meet your needs
- Provides simple messaging for explaining the technology to the consumer
- Compares LEDs to other light sources



## Sample Info Graphics







## **Upcoming Events**



- Lighting Partner Meeting March 17-19, San Antonio
  - www.energystarmeeting.com

### Questions?



www.energystar.gov/led

www.energystar.gov/sslpartners